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JUN 27 1919

## COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS

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State College  
of AgricultureU. S. Department  
of Agriculture.

## SURVEY OF FARM HOME CONDITIONS

State \_\_\_\_\_ County \_\_\_\_\_ Township \_\_\_\_\_

Record No. \_\_\_\_\_ Name \_\_\_\_\_ Date \_\_\_\_\_

1. Farm
  - acres \_\_\_\_\_
  - is farm (owned \_\_\_\_\_ no. \_\_\_\_\_
  - (rented \_\_\_\_\_)
2. Kind of farming
  - general \_\_\_\_\_
  - dairy \_\_\_\_\_
  - other \_\_\_\_\_
3. Location
  - miles to trading center \_\_\_\_\_
  - doctor \_\_\_\_\_
  - hospital \_\_\_\_\_
  - trained nurse \_\_\_\_\_
  - district school \_\_\_\_\_
  - high school \_\_\_\_\_
  - church \_\_\_\_\_
4. Size of farm family excluding hired help.
  - adults over 16 yrs. men no. \_\_\_\_\_
  - " " " " women no. \_\_\_\_\_
  - children under 10 yrs. no. \_\_\_\_\_
  - children 10 to 16 yrs. no. \_\_\_\_\_
  - members permanently incapacitated by illness or old age. no. \_\_\_\_\_
5. Hired men
  - boarded in farm home no. \_\_\_\_\_
  - months per year no. \_\_\_\_\_
  - special workers no. \_\_\_\_\_
  - weeks per year no. \_\_\_\_\_
6. No. of rooms in house regularly cared for no. \_\_\_\_\_
7. Are following regularly done outside the home -
  - washing \_\_\_\_\_
  - ironing \_\_\_\_\_
  - breadmaking \_\_\_\_\_
  - buttermaking \_\_\_\_\_
8. Are following garments made at home?
  - homemaker's underwear \_\_\_\_\_
  - " outer garments \_\_\_\_\_
  - children's clothing \_\_\_\_\_
9. Hired help with housework.
  - hired girl? \_\_\_\_\_
  - work by the day? \_\_\_\_\_
  - no. days in week \_\_\_\_\_
  - to help with \_\_\_\_\_
10. Does any member of family regularly help with housework?
  - who? \_\_\_\_\_
  - what work? \_\_\_\_\_
11. Kitchen water supply
  - running water \_\_\_\_\_
  - pump \_\_\_\_\_
  - carried by hand \_\_\_\_\_
  - does homemaker carry it? \_\_\_\_\_
  - distance to source of supply - no. ft. \_\_\_\_\_
12. Laundry facilities
  - stationary tubs \_\_\_\_\_
  - washing machine \_\_\_\_\_
  - hand \_\_\_\_\_
  - power \_\_\_\_\_
  - electric or gas iron \_\_\_\_\_
13. Cooking facilities
  - wood stove \_\_\_\_\_
  - coal stove \_\_\_\_\_
  - does homemaker carry fuel? \_\_\_\_\_
  - kerosene \_\_\_\_\_
  - gas or gasoline \_\_\_\_\_
  - electric \_\_\_\_\_

*Journal of Management Education* 30(6)

THE UNIVERSITY OF CHICAGO PRESS

14. Heating facilities  
 wood stoves no. \_\_\_\_\_  
 coal stoves no. \_\_\_\_\_  
 does homemaker carry fuel? \_\_\_\_\_  
 furnace \_\_\_\_\_  
 does homemaker tend furnace? \_\_\_\_\_
15. Lighting facilities  
 lamps \_\_\_\_\_  
 electricity or gas \_\_\_\_\_
16. Toilet facilities  
 outdoor closet \_\_\_\_\_  
 chemical closet \_\_\_\_\_  
 indoor toilet with \_\_\_\_\_  
 septic tank \_\_\_\_\_  
 cess pool \_\_\_\_\_  
 bath tub \_\_\_\_\_
17. Screens  
 windows and doors \_\_\_\_\_  
 kitchen porch \_\_\_\_\_
18. Household equipment - does  
 it include:-  
 carpet sweeper \_\_\_\_\_  
 vacuum cleaner \_\_\_\_\_  
 sewing machine \_\_\_\_\_  
 bread mixer \_\_\_\_\_  
 kitchen cabinet \_\_\_\_\_  
 pressure cooker \_\_\_\_\_  
 fireless cooker \_\_\_\_\_  
 wheel tray \_\_\_\_\_
19. Kitchen arrangement  
 No. of steps from  
 work table to sink no. \_\_\_\_\_  
 to stove no. \_\_\_\_\_  
 to cellar no. \_\_\_\_\_  
 to pantry no. \_\_\_\_\_  
 to dining table no. \_\_\_\_\_  
 Height of work table -  
 no. inches \_\_\_\_\_
20. What is considered the most  
 satisfactory labor saver  
 in this home? \_\_\_\_\_
21. Does homemaker assist with  
 milking \_\_\_\_\_  
 washing milk utensils \_\_\_\_\_  
 poultry-feeding & care \_\_\_\_\_  
 livestock-feeding & care \_\_\_\_\_  
 vegetable garden \_\_\_\_\_
22. Do daughters assist with  
 milking \_\_\_\_\_  
 poultry \_\_\_\_\_  
 livestock \_\_\_\_\_  
 vegetable garden \_\_\_\_\_
23. Homemaker's working day.  
 hour begins \_\_\_\_\_  
 hour ends \_\_\_\_\_  
 hours of rest and recreation no. \_\_\_\_\_  
 Total working hours no. \_\_\_\_\_
24. What household task found  
 most congenial? \_\_\_\_\_  
 least congenial? \_\_\_\_\_
25. Total days illness for  
 family in preceding  
 twelve months no. \_\_\_\_\_  
 twenty-four months no. \_\_\_\_\_
26. Is there a telephone? \_\_\_\_\_
27. Means of conveyance for  
 family  
 auto \_\_\_\_\_  
 carriage \_\_\_\_\_  
 trolley \_\_\_\_\_  
 other \_\_\_\_\_
28. Organizations to which  
 homemaker belongs:  
 church societies no. \_\_\_\_\_  
 clubs and lodges no. \_\_\_\_\_
29. Average number times a  
 month homemaker gets away  
 from home to attend meet-  
 ings or for social pur-  
 poses. no. \_\_\_\_\_
30. Does homemaker have a  
 vacation each year? \_\_\_\_\_
31. Does family take  
 daily papers no. \_\_\_\_\_  
 weekly papers no. \_\_\_\_\_  
 farm papers no. \_\_\_\_\_  
 magazines no. \_\_\_\_\_
32. Musical instruments in  
 frequent use in home-  
 victrola \_\_\_\_\_  
 piano \_\_\_\_\_  
 violin \_\_\_\_\_



32. continued  
miscellaneous \_\_\_\_\_

33. Does homemaker have cash  
income from  
poultry-yearly total \$ \_\_\_\_\_  
dairy -yearly total \$ \_\_\_\_\_  
other industry-total \$ \_\_\_\_\_  
How much of this income spent  
for food supplies (yearly)\$ \_\_\_\_\_

34. Do daughters have a money-  
yielding industry  
poultry yearly total \$ \_\_\_\_\_  
dairy " " \$ \_\_\_\_\_  
other industry" " \$ \_\_\_\_\_

35. Is assistance desired in  
marketing products of  
these industries- which? \_\_\_\_\_

36. Does homemaker keep accounts?  
general farm \_\_\_\_\_  
household \_\_\_\_\_  
special --- kinds? \_\_\_\_\_

37. Does homemaker help plan  
division of income between  
farm and home? \_\_\_\_\_

38. Is homemaker a farm bureau  
member? \_\_\_\_\_

39. What help received from  
farm bureau membership? \_\_\_\_\_

40. Has homemaker come in contact  
with --  
agricultural agent \_\_\_\_\_  
home demonstration agent \_\_\_\_\_  
club leader \_\_\_\_\_

41. Has homemaker come in contact  
with extension schools \_\_\_\_\_  
(short courses)  
farmers' institutes \_\_\_\_\_  
study clubs \_\_\_\_\_

42. What suggestions success-  
fully acted upon from (41)  
\_\_\_\_\_  
\_\_\_\_\_

43. From what one source has homemaker  
received most help in her problem:  
(farm bureau agents, extension  
schools, farmers' institutes,  
study clubs, agricultural  
papers)? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

44. Special problems on which  
homemaker desires help from  
extension force. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signed:-

\_\_\_\_\_  
Name of Recording Agent

\_\_\_\_\_  
Title



1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

$\frac{d}{dt} \left( \frac{1}{2} m v^2 + U(r) \right) = \frac{d}{dt} \left( \frac{1}{2} m v^2 \right) + \frac{d}{dt} U(r)$

$= m \vec{v} \cdot \frac{d\vec{v}}{dt} + \frac{\partial U}{\partial r} \frac{dr}{dt}$

$= m \vec{v} \cdot \vec{a} + \frac{\partial U}{\partial r} \frac{dr}{dt}$

$= m \vec{v} \cdot \frac{1}{m} (-\nabla U) + \frac{\partial U}{\partial r} \frac{dr}{dt}$

$= -\vec{v} \cdot \nabla U + \frac{\partial U}{\partial r} \frac{dr}{dt}$

$= -\frac{dU}{dt} + \frac{\partial U}{\partial r} \frac{dr}{dt}$

$= 0$

Energy is conserved.

[illegible]